

release notes

HP StorageWorks Continuous Access EVA 2.0

Product Version: 2.0

First Edition (December 2004)

Part Number: AA-RW1HA-TE

This document provides information about HP StorageWorks Continuous Access EVA that is not covered in other user documentation. Individuals who configure and use HP Continuous Access EVA should consult this document for last-minute content.

For the latest version of these release notes and other HP Continuous Access EVA documentation, see the HP storage web site <http://h18000.www1.hp.com/storage/software.html> and navigate to the HP Continuous Access EVA product page. There click the **Technical documentation** link.



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About this document

These release notes cover the following major topics:

- [Issues and workarounds](#), page 4

Intended audience

This document is intended for customers who have purchased HP StorageWorks Continuous Access EVA and for HP-authorized service providers who are responsible for setting up and maintaining remote replication.

Related documentation

In addition to this guide, HP provides the documentation listed below. To obtain these and other related documents, browse to your product from the HP storage web site see:

<http://h18006.www1.hp.com/storage/software.html>

or go directly to the product page at

<http://h18006.www1.hp.com/products/storage/software/conacceseva/index.html>

From there, click the **Technical documentation** link.

The following documents are available:

- *HP StorageWorks EVA replication compatibility reference*
- *HP StorageWorks Continuous Access EVA overview*
- *HP StorageWorks Continuous Access EVA planning guide*
- *HP StorageWorks Continuous Access EVA administrator guide*
- *HP StorageWorks Continuous Access EVA Performance Estimator user guide*
- *HP StorageWorks Continuous Access EVA 2.0 release notes*
- *HP StorageWorks Replication Solutions Manager installation guide*
- *HP StorageWorks Replication Solutions Manager Command Line User Interface reference*
- *HP StorageWorks Replication Solutions Manager 1.0 release notes*

For information about HP StorageWorks Enterprise Virtual Array 3000, see:

<http://h18006.www1.hp.com/products/storageworks/eva3000/index.html>

For information about HP StorageWorks Enterprise Virtual Array 5000, see:

<http://h18006.www1.hp.com/products/storageworks/enterprise/index.html>

For HP OpenView Storage Operations Manager, see:

<http://h18006.www1.hp.com/products/storage/software/som/index.html>

For HP Openview Storage Management Appliance, see:

<http://h18006.www1.hp.com/products/sanworks/managementappliance/index.html>

For SAN design or SAN extensions, see:

<http://hp.com/go/sandesignguide>

Issues and workarounds

Coordinating VCS upgrades on source and destination storage arrays

When upgrading the VCS on source and destination storage arrays, HP recommends the following approach.

Note: Upgrade the VCS on a given array during the period of lowest I/O activity on the array.

1. *Suspend* remote replication of DR groups on the source storage array. Logging of source DR groups will begin and there will be little, if any, remote replication to the destination array. Replication must be suspended, even if the intersite links are not available.
2. While the source DR groups are suspended, upgrade the VCS on the destination storage array.
3. After upgrading the VCS on the destination array, *resume* remote replication of the source DR groups.
4. Wait for the source DR group logs to complete merges to the destination array.
5. After completing merges to the destination array, upgrade the VCS on the source array.

Note: HP does not support different VCS versions in a replicating relationship for longer than 7 days (168 hours).

Replacing faulted disks during a VCS upgrade of a source or destination array

Do not upgrade the VCS on a source or destination storage array if leveling is occurring on the array. Replacing a faulted disk initiates leveling and should be avoided while upgrading. To work around this condition, ensure that leveling is not underway, then use one of the following methods to replace faulted disks.

Method 1

1. Remove the faulted disk.
2. Install the replacement disk, *but do not add it* to a disk group.
3. Perform the VCS upgrade and verify that it is successful.
4. Add the new disk into a disk group.
5. Verify that leveling is complete.

Method 2

1. Remove the faulted disk.
2. Perform the VCS upgrade and verify that it is successful.
3. Install the replacement disk.
4. Add the new disk to a disk group.
5. Verify that the leveling completes.